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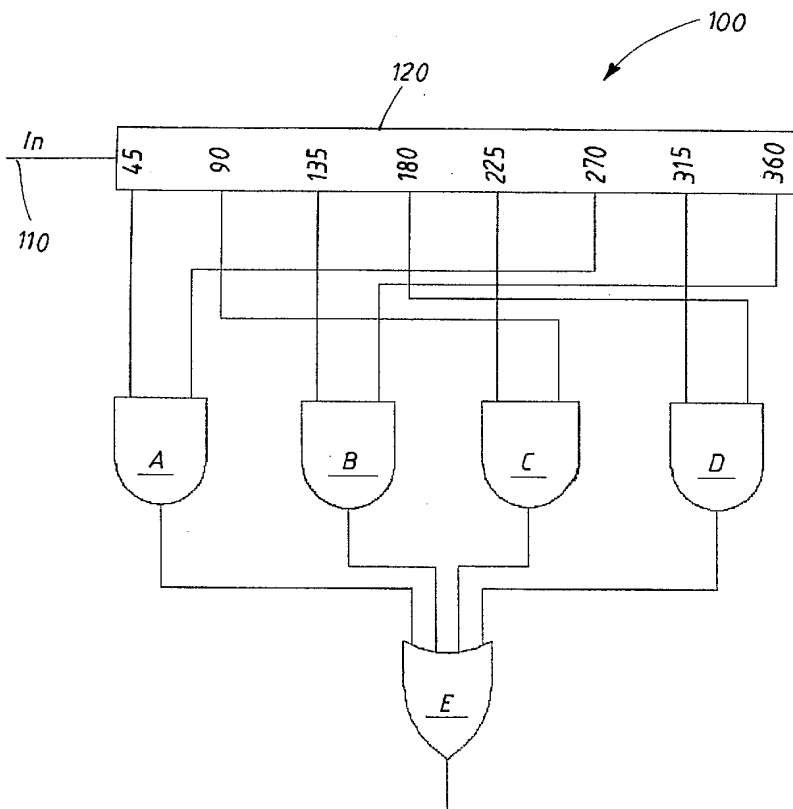
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[Continued on next page]

(54) Title: A FREQUENCY MULTIPLIER



(57) Abstract: The invention discloses a device for multiplying the pulse frequency of a signal, a pulse train, comprising input means for the signal and means for accessing the signal at points with a predetermined phase difference between them. The device additionally comprises means at a first level for combining accessed signal pairs, with one and the same phase distance within all the combined pairs, the output from each first level combining means being a pulse train. The device additionally comprises combining means at a second level for combining the pulse trains from the first level, and the combining means at the first level are such that the pulses in their output pulse trains have rise flanks which always coincide with the rise flank of the first signal in the combined accessed signal pairs, and fall flanks which always coincide with the fall flanks of the second signal in said pair.



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